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# HIKVISION iDS-7200HQHI-M2-FA Series Turbo Acusense DVR Instructions

**HIKVISION iDS-7200HQHI-M2-FA Series Turbo Acusense DVR**

## Contents

## Key Feature

- Deep learning-based motion detection 2.0 for all analog channel
- Deep learning-based face picture comparison
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 12/24-ch IP camera inputs (up to 6 MP)
- Up to 10 TB capacity per HDD

## Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Full channel recording at up to 1080p resolution

## Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage

## Smart Function

- Deep learning-based motion detection, perimeter protection (line crossing and intrusion detection), or facial recognition
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

## Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

## Specification

| Model | iDS-7208HQHI-M2/FA | iDS-7216HQHI-M2/FA |
|---|---|---|
| **Face Picture Comparison and Search[1]** | | |

| | |
|---|---|
| **Face picture comparison** | Face picture comparison, face picture search (1-ch face picture comparison alarm for HD analog camera) |
| **Face picture library** | Up to 16 face picture libraries, with up to 500 face pictures in total (each picture ≤ 1 MB, total capacity ≤ 80 MB) |

**Motion Detection 2.0[1]**

| | |
|---|---|
| **Human/Vehicle Analysis** | Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported; |

**Perimeter Protection[1]**

| | |
|---|---|
| **Human/Vehicle Analysis** | Up to 4-ch |

**Recording**

| | |
|---|---|
| **Video compression** | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 |
| **Encoding resolution** | **Main stream:**<br>When 1080p Lite mode not enabled:<br>**For 4 MP stream access:**<br>4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fps<br>For 1080p stream access:<br>1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)<br>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) When 1080p Lite mode enabled:<br>4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) |
| | Sub-stream:<br>WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N) |

| | | |
|---|---|---|
| **Video bitrate** | 32 Kbps to 6 Mbps | |
| **Dual stream** | Support | |
| **Stream type** | Video, Video & Audio | |
| **Audio compression** | G.711u | |
| **Audio bitrate** | 64 Kbps | |

**Video and Audio**

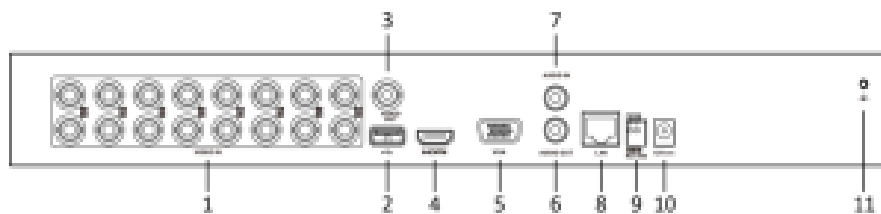| | | |
|---|---|---|
| **IP video input**[2] | 2-ch (up to 10-ch)<br>Enhanced IP mode on:<br>4-ch (up to 12-ch), each up to 4 Mbps | 2-ch (up to 18-ch)<br>Enhanced IP mode on:<br>8-ch (up to 24-ch), each up to 4 Mbps |
| | Up to 6 MP resolution | |
| | Support H.265+/H.265/H.264+/H.264 IP cameras | |
| **Analog video input** | 8-ch | 16-ch |
| | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection | |
| **HDTVI input** | 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps<br>**\*: The 3 MP signal input is only available for channel 1/2 of iDS-7208HQHI-M2/FA, and for channel 1/2/3/4 of iDS-7216HQHI-M2/FA.** | |
| **AHD input** | 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps | |
| **HDCVI input** | 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps | |
| **CVBS input** | PAL/NTSC | |

| | | |
|---|---|---|
| **CVBS output** | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 | |
| **HDMI/VGA output** | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA simultaneous output | |
| **Audio input[3]** | 1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ) | 1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ) |
| | 8-ch via coaxial cable | 16-ch via coaxial cable |
| **Audio output** | 1-ch, RCA (Linear, 1 KΩ) | |
| **Two-way audio** | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input) | |
| **Synchronous playback** | 8-ch | 16-ch |
| **Network** | | |
| **Remote connection** | 64 | 128 |
| **Network protocol** | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF | |
| **Network interface** | 1, RJ45 10/100 Mbps self-adaptive Ethernet interface | 1,RJ45 10/100/1000 Mbps self-adaptive Ethernet interface |
| **Wi-Fi** | Connectable to Wi-Fi network by Wi-Fi dongle through USB interface | |
| **Auxiliary interface** | | |
| **SATA** | 2 SATA interfaces, up to 10 TB capacity for each disk | |

| Serial interface | RS-485 (half-duplex) | |
|---|---|---|
| USB interface | Front panel: 1 × USB 2.0;<br>Rear panel: 1 × USB 2.0 | Front panel: 1 × USB 2.0;<br>Rear panel: 1 × USB 3.0 |
| Alarm in/out[3] | N/A (optional to support ) | |
| General | | |
| Power supply | 12 VDC, 2.5 A | 12 VDC, 3.3 A |
| Consumption (without HDD) | ≤ 30 W | ≤ 40 W |
| Working temperature | -10 °C to 55 °C (14 °F to 131 °F) | |
| Working humidity | 10% to 90% | |
| Dimension (W × D × H) | 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch) | |
| Weight (without HDD) | ≤ 1.78 kg (3.9 lb) | ≤ 2 kg (4.4 lb) |

**Note:**

1. Face picture comparison, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other two unavailable.
2. Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.
3. The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and
4. alarm outputs. If your device only has 1 audio input, the tag may not describe it.

**Physical Interface**

*: The rear panel of iDS-7208HQHI-M2/FA provides 8 video input interfaces

**Available Model**

**iDS-7208HQHI-M2/FA, iDS-7216HQHI-M2/FA**

**Documents / Resources**



**HIKVISION iDS-7200HQHI-M2-FA Series Turbo Acusense DVR** [pdf] Instructions
iDS-7200HQHI-M2-FA, Series Turbo Acusense DVR

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